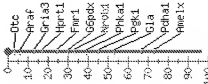
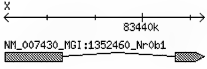




Your Input Welcome

Symbol Name ID	Nr0b1 nuclear receptor subfamily 0, group B, member 1 MGI:1352460		Nomenclature History		
Synonyms	Ahc, Ahch, AHX, DAX-1, Dax1				
Genetic Map	Chromosome X 33.0 cM Detailed Genetic Map \pm 1 cM Mapping data(8)				
Sequence Map	ChrX:83437103-83441286 bp, + strand (From VEGA annotation of NCBI Build 37) VEGA ContigView Ensembl ContigView UCSC Browser NCBI Map Viewer		 Mouse Genome Browser		
Mammalian homology	human; chimpanzee; dog, domestic; rat (Mammalian Orthology) Comparative Map (Mouse/Human Nr0b1 \pm 2 cM) TreeFam: TF332386				
Sequences	Representative Sequences		Length	Strain/Species	Flank
<input type="checkbox"/> genomic	OTTMUSG00000017945	VEGA Gene Model MGI Sequence Detail	4184	C57BL/6J	\pm 10 Kb
<input type="checkbox"/> transcript	NM_007430	RefSeq MGI Sequence Detail	1794	-	
<input type="checkbox"/> polypeptide	Q61066	UniProt EBI MGI Sequence Detail	472	Not Applicable	
For the selected sequences <input type="button" value="download in FASTA format"/> <input type="button" value="Go"/>					
All sequences(17)					
Phenotypes	All phenotypic alleles(2) : Targeted, knock-out(1) Targeted, other(1) Mutations that inactivate this X-linked gene result in abnormal reproductive development in the hemizygote, ranging from defects in testes development and spermatogenesis to complete male to female sex reversal depending on genetic background.				
Associated Human Diseases (1) Alleles Annotated to Human Diseases (1)					
Polymorphisms	All PCR and RFLP(2) : PCR(1) RFLP(1) SNPs within 2kb(53 from dbSNP Build 128)				
Gene Ontology (GO) classifications	Process adrenal gland development, cell differentiation... Component cytoplasm, nucleus... Function DNA binding, ligand-dependent nuclear receptor activity... All GO classifications(29)				
Expression	Literature Summary: (24 records) Data Summary: Assays (8) Results (210) Tissues (171) Images (19) Thelier Stages: 2,3,4,5,6,17,18,19,20,21,22,24,28 Assay Type Assays Results				

	RT-PCR 3 76 RNA in situ 4 128 Immunohistochemistry 1 6 cDNA source data(8) External Resources: Allen Brain Atlas GEO
Other database links	Ensembl Gene Model ENSMUSG00000025056 DoTS DT.50316329 UniGene 5180 DFCI TC1585098 Entrez Gene 11614 VEGA Gene Model OTTMUSG00000017945
Protein domains	InterPro ID Description IPR000536 Nuclear hormone receptor, ligand-binding, core IPR001723 Steroid hormone receptor IPR008946 Nuclear hormone receptor, ligand-binding Graphical View of Protein Domain Structure
Molecular reagents	All nucleic(21) Genomic(7) cDNA(8) Primer pair(5) Other(1) Antibodies(1)
References	(Earliest) J:32081 Swain A <i>et al.</i> , "Mouse Dax1 expression is consistent with a role in sex determination as well as in adrenal and hypothalamus function." Nat Genet 1996 Apr;12(4):404-9 (Latest) J:140785 Moldrich RX <i>et al.</i> , "Transmembrane protein 50b (C21orf4), a candidate for Down syndrome neurophenotypes, encodes an intracellular membrane protein expressed in the rodent brain." Neuroscience 2008 Jul 17;154(4):1255-66 All references(53)
Other accession IDs	MGD-MRK-33777, MGD-MRK-37435, MGI:108393

Contributing Projects:

Mouse Genome Database (MGD), Gene Expression Database (GXD), Mouse Tumor Biology (MTB), Gene Ontology (GO), MouseCyc

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01/06/2009

MGI_4.13

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